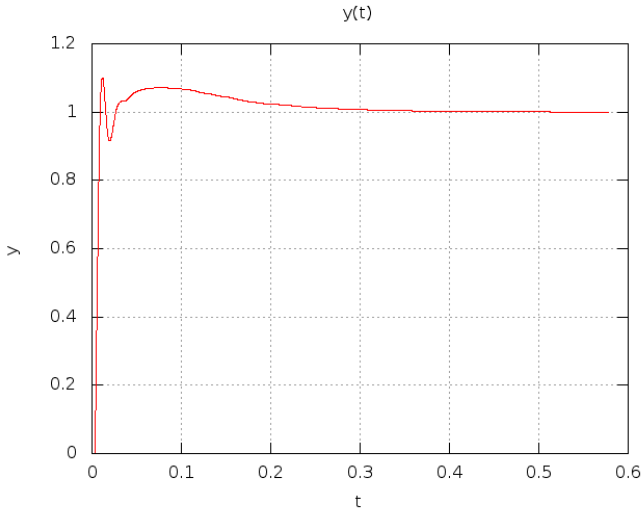
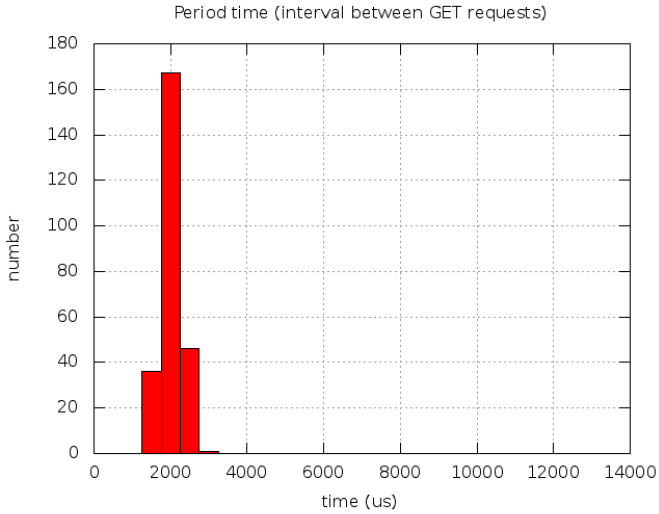
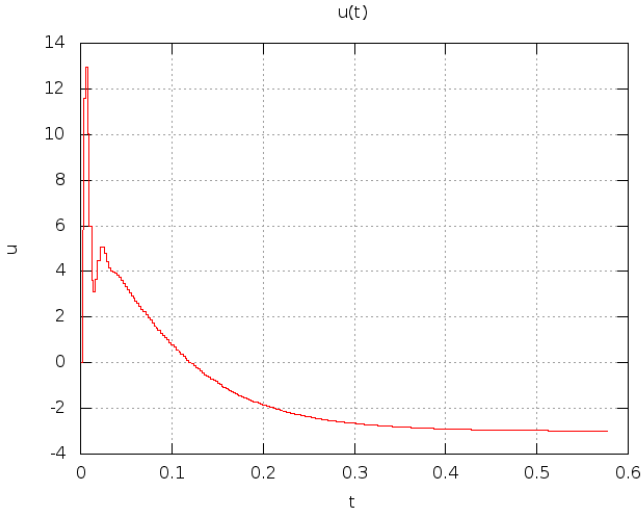
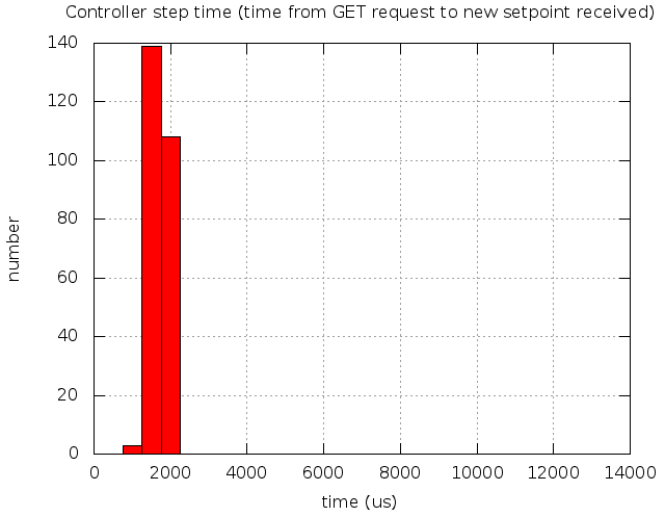
Plot from part1



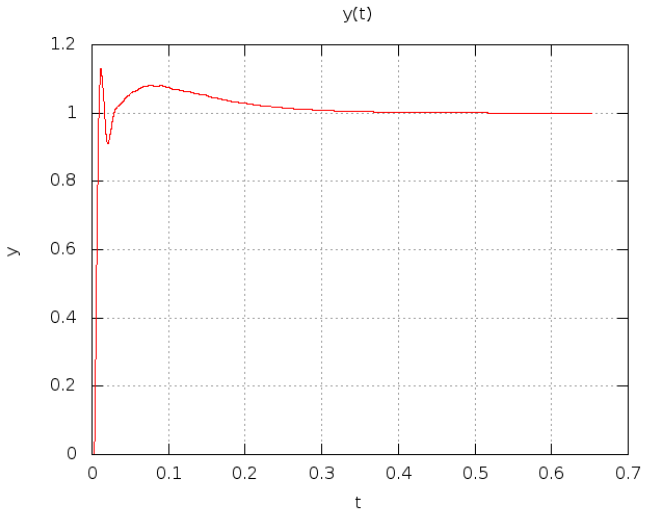


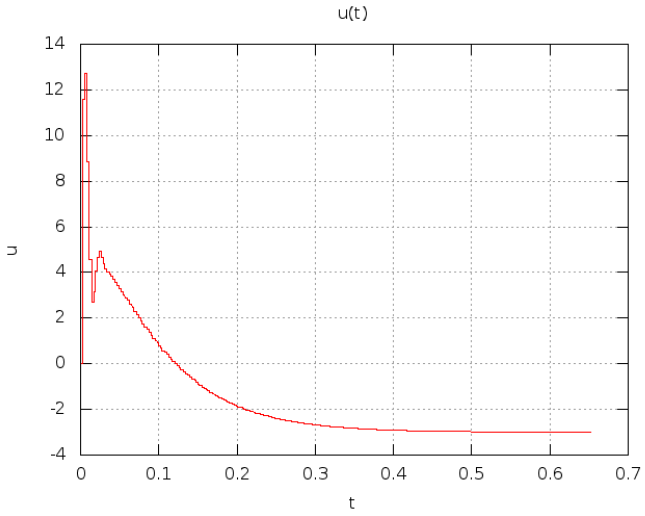


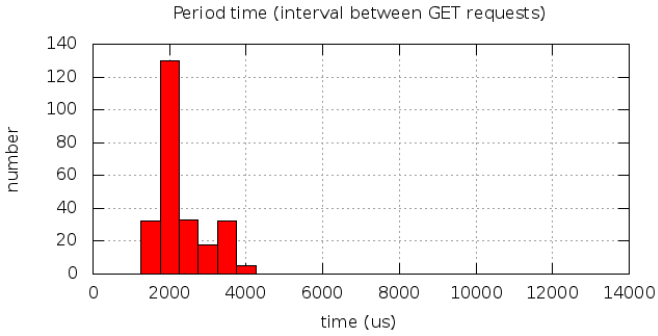


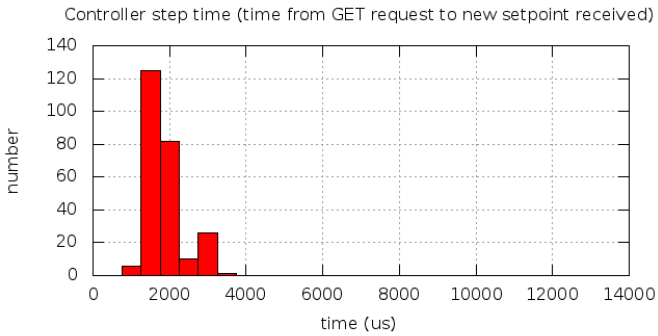
We found the period by trying some different values. Using the ping command we had some idea on how long it would take for a message to get from one node to the other, so our period should at least be longer than that, but not very much longer. The lower period the more presise the controller will be.

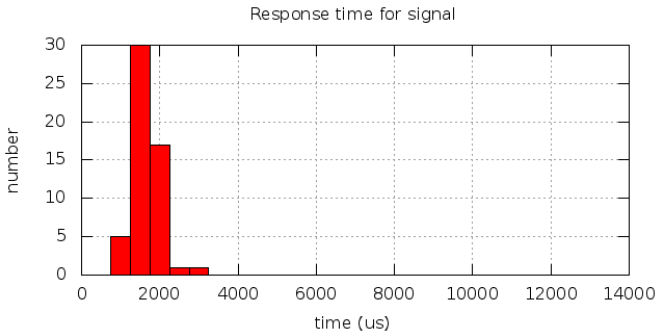
Plot from part2











We get longer period between some of the get messages, the graph has shifted a bit to the right. The same can be said for the graph over time from get to new setpoint. This is not suprising as we now have to do more on the target.